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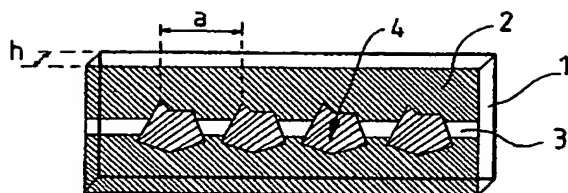


FIG. 1

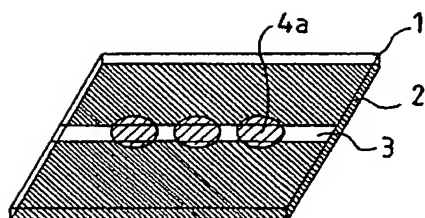


FIG. 2A

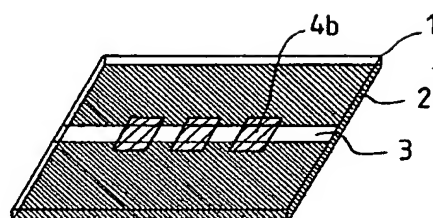


FIG. 2B

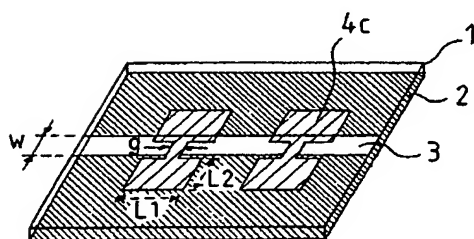


FIG. 2C

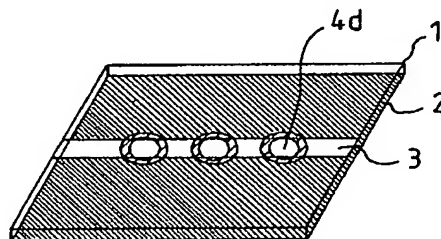


FIG. 2D

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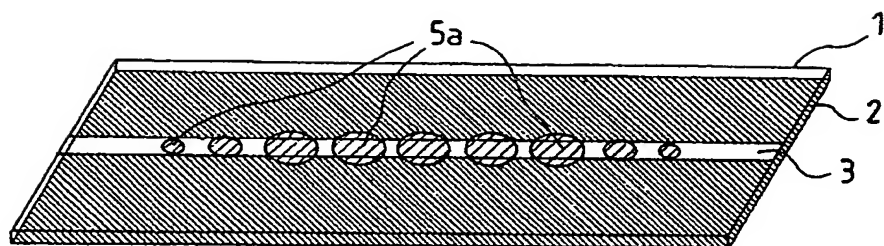


FIG. 3A

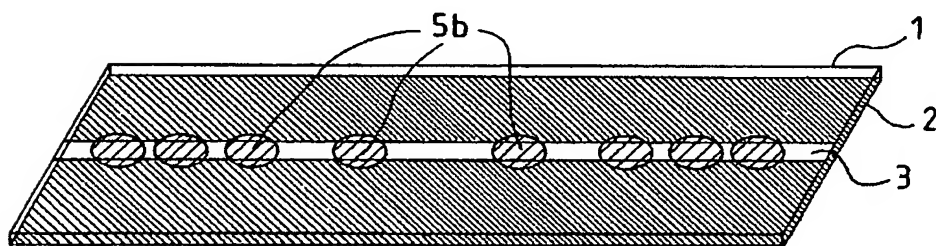


FIG. 3B

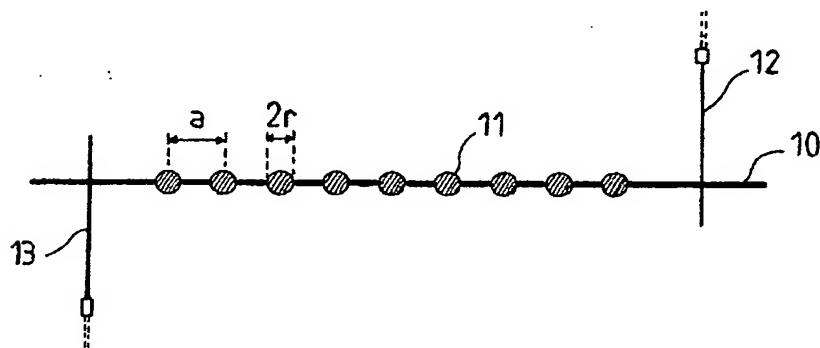


FIG. 4

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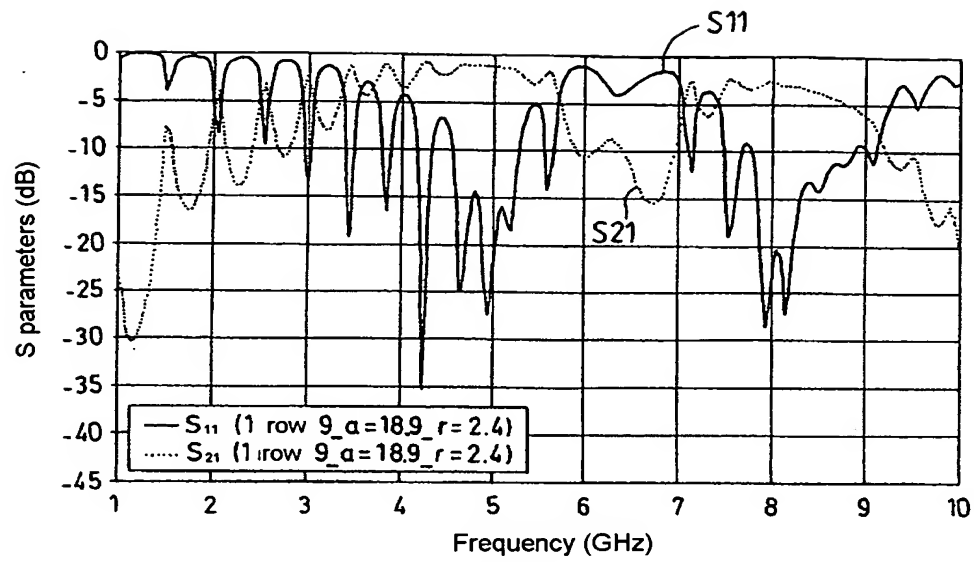


FIG. 5A

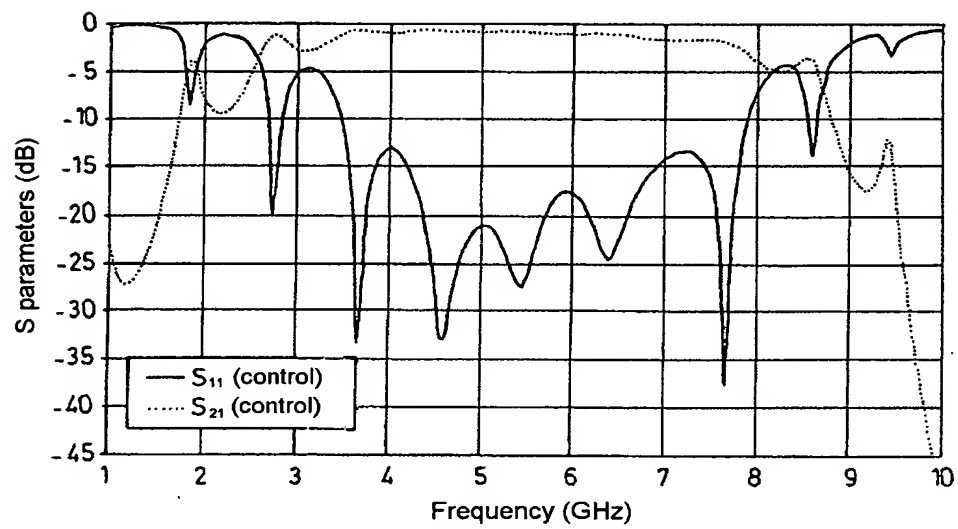


FIG. 5B

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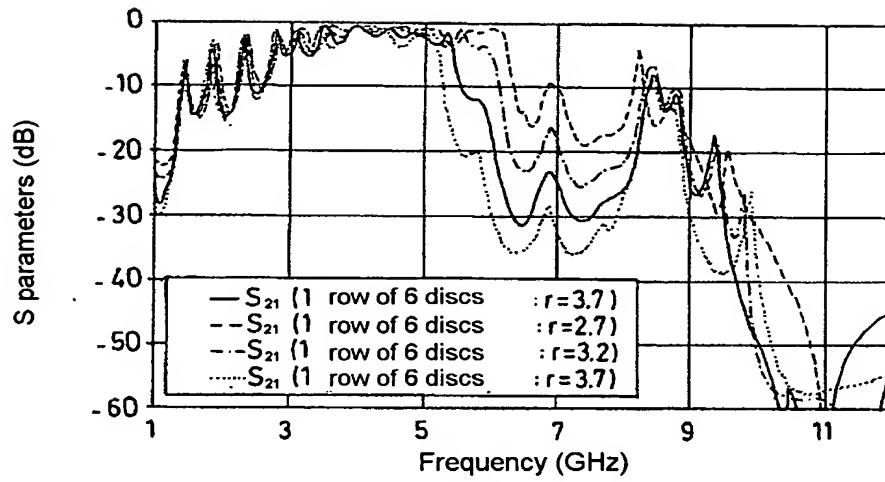


FIG.6

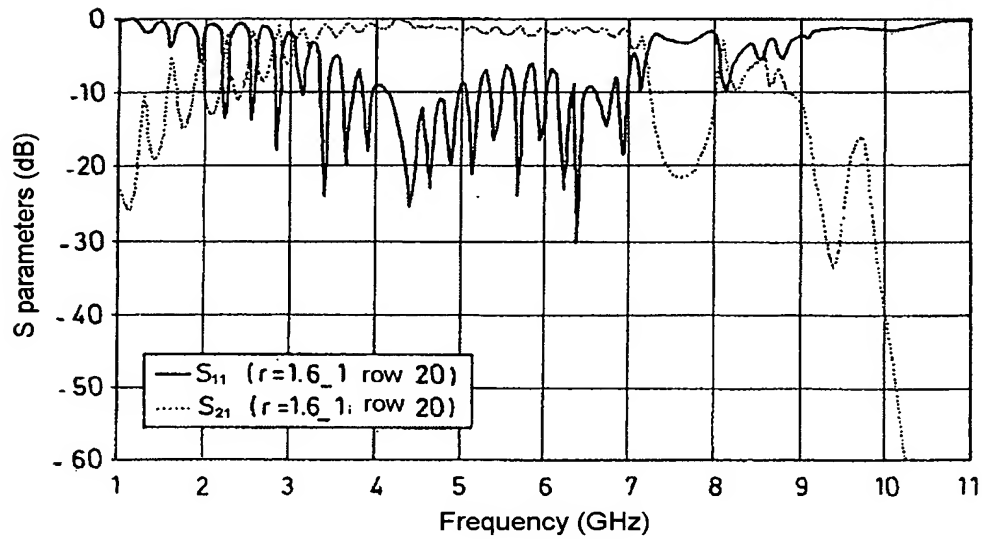


FIG.7

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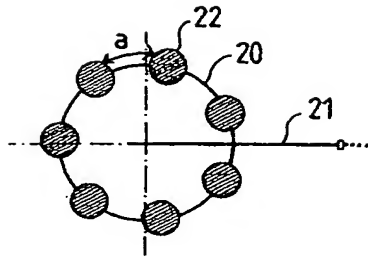


FIG. 8

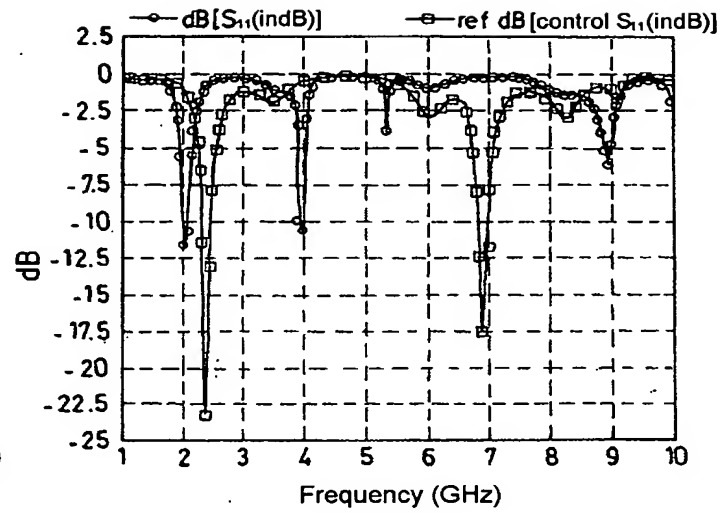


FIG. 9

— control ASA, $f=2.4(\text{GHz})$, $E\text{-theta}$, $\phi=0$ (deg), $PG=3.13068$ dB, $AG=1.95237$ dB
 - - - control ASA, $f=2.4(\text{GHz})$, $E\text{-phi}$, $\phi=90$ (deg), $PG=3.13068$ dB, $AG=-0.0605768$ dB
 — PBG ASA $f=2.05(\text{GHz})$, $E\text{-theta}$, $\phi=0$ (deg), $PG=2.75541$ dB, $AG=1.92051$ dB
 — PBG ASA $f=2.05(\text{GHz})$, $E\text{-phi}$, $\phi=90$ (deg), $PG=2.75541$ dB, $AG=-0.301173$ dB

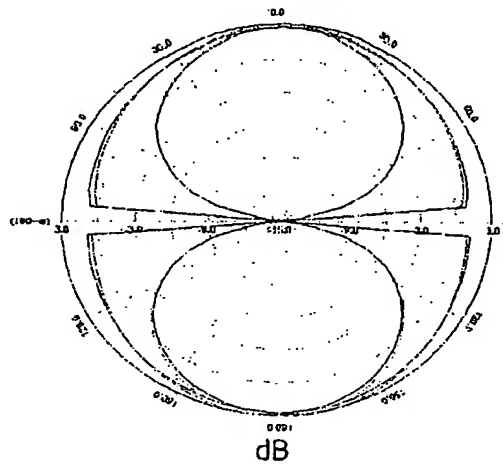


FIG. 10

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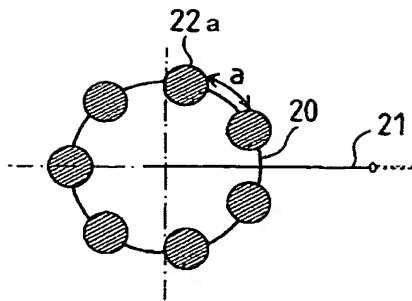


FIG. 11A

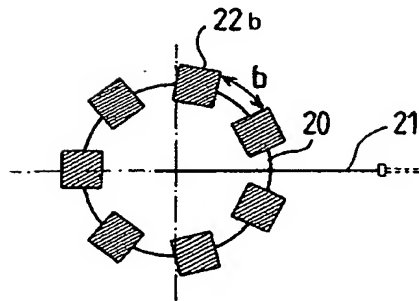


FIG. 11B

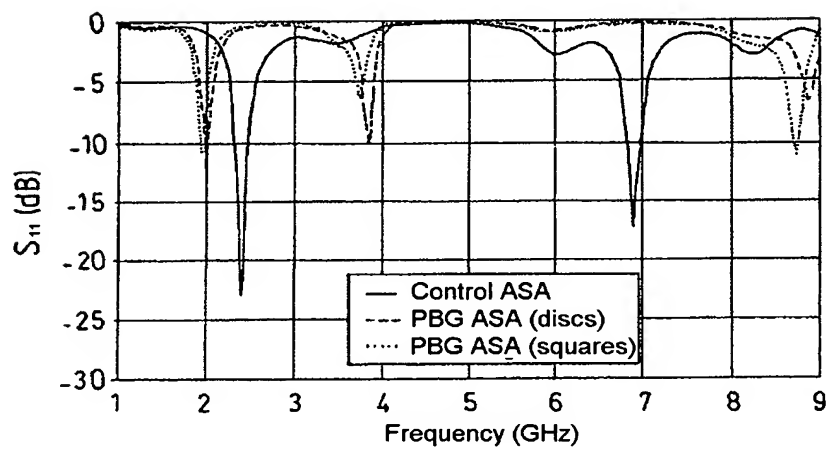


FIG. 12

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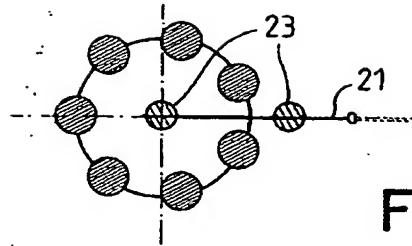


FIG.13

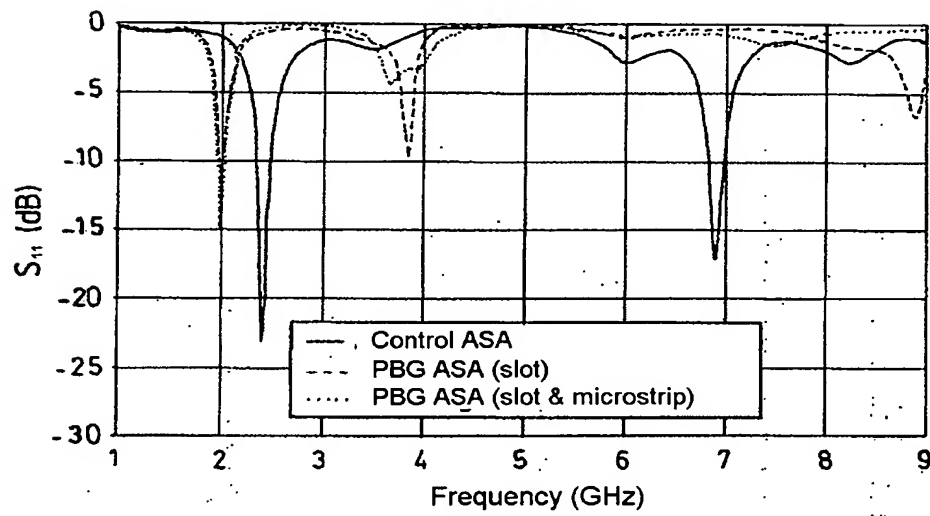


FIG.14

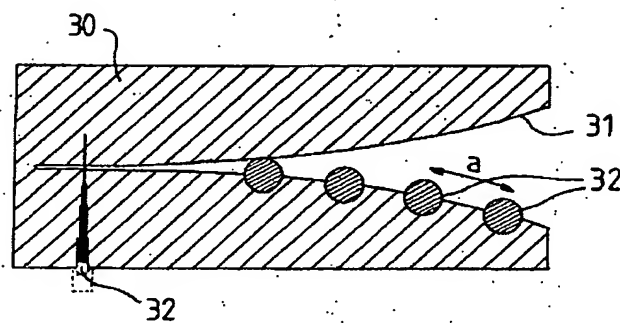


FIG.15

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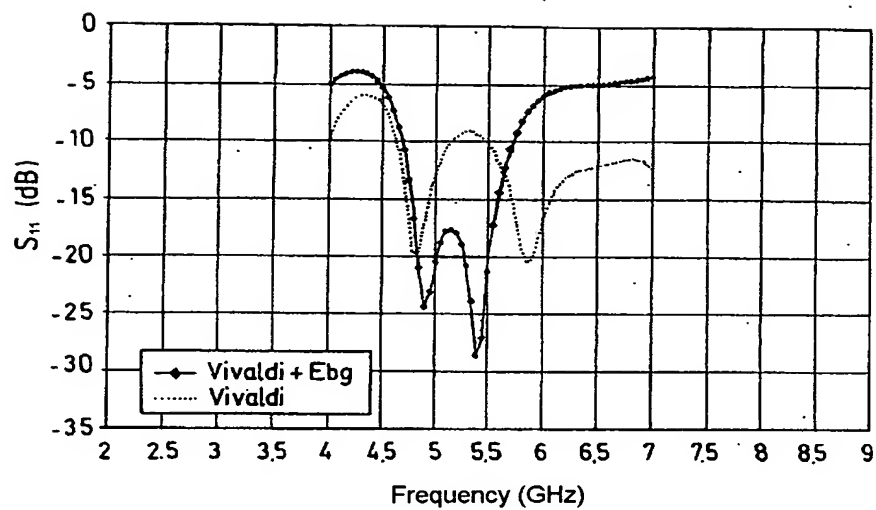


FIG.16

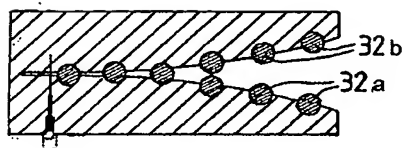


FIG.17A

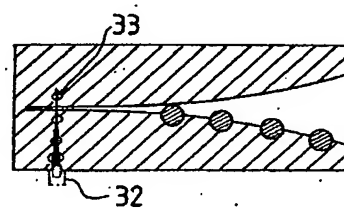


FIG.17B